

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	11/02/2016 11/02/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0009_01_s_2013_2				
Comment Code					
Inspector Comment					
Sutter Yard has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0009_01_s_2013_4				
Comment Code					
Inspector Comment					
Sutter Yard has a stockpile of emergency supplies and equipment.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Tisdale Bypass	Left	4.51	11/02/2016 11/02/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	5	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_ST0009_01_s_2013_5					
Comment Code						
Inspector Comment						
Sutter Yard had flood fight training October 2016.						

No Photos

LM Start	0.03	Rating **	M	Issue No.	10
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.027253 °	39.027253 °
				-121.821330 °	-121.821330 °
DWR ID	DWR_ST0009_01_f_2016_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0009_286_10_20161107_00008.jpg



View of grass taller than 12 inches blocking visibility.

LM Start	0.40	Rating **	C	Issue No.	7
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.028427 °	39.028427 °
				-121.814699 °	-121.814699 °
DWR ID	DWR_ST0009_01_s_2016_7				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Recently fallen Cottonwood obscuring waterside levee slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Tisdale Bypass	Left	4.51	11/02/2016 11/02/2016	Tariq Chechi

LM Start	2.11	Rating **	M	Issue No.	11
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.028392 °	39.028392 °
				-121.782887 °	-121.782887 °
DWR ID	DWR_ST0009_01_f_2016_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0009_286_11_20161107_00009.jpg



View of the rodent holes along the landside slope.

LM Start	2.16	Rating **	U	Issue No.	12
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.028137°	39.028137°
				-121.782020°	-121.782020°
DWR ID	DWR_ST0009_01_f_2016_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA_2016_ST0009_286_12_20161107_00010.jpg



View of a rodent hole along the levee crown.

LM Start	2.16	Rating **	U	Issue No.	12 (cont)
LM End	2.16	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_ST0009_286_12_20161107_00012.jpg



Another view of the rodent holes along the crown and landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	11/02/2016 11/02/2016	Tariq Chechi

LM Start	2.42	Rating **	C	Issue No.	8
LM End	2.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.028110 °	39.028110 °
				-121.777177 °	-121.777177 °
DWR ID	DWR_ST0009_01_s _ 2016_8				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Downed Cottonwood on Waterside Levee.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

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Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.58	Rating **	C	Issue No.	8
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.025582°	39.025582°
				-121.810568°	-121.810568°
DWR ID	DWR_ST0009_02_s _ 2016_8				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Couple of downed trees obscuring waterside slope.					

No Photos

LM Start	1.01	Rating **	C	Issue No.	3
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.025542°	39.025542°
				-121.802468°	-121.802468°
DWR ID	DWR_ST0009_02_s _ 2012_3				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Sutter Yard needs to monitor the erosion.					


No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016


Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	11/02/2016 11/02/2016	Tariq Chechi

Photo 1 of 2 : FA_2016_ST0009_287_13_20161107_00017.jpg



View of the erosion along the concrete vault.


Photo 2 of 2 : FA_2016_ST0009_287_13_20161107_00019.jpg



11/06/2016

Another view of the erosion along the concrete vault.

Photo 1 of 1 : FA_2016_ST0009_287_290_20160823_00010.jpg



08/18/2015

View of the erosion along the waterside berm.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

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Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.29	Rating **	M	Issue No.	4
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.025478 °	39.025478 °
				-121.797232 °	-121.797232 °
DWR ID	DWR_ST0009_02_s _ 2013_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Sutter Yard needs to monitor the erosion.					

Photo 1 of 1 : FA_2016_ST0009_287_4_20160823_00004.jpg



View of the erosion along the waterside berm.

LM Start	1.48	Rating **	M	Issue No.	5
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.025460 °	39.025446 °
				-121.793815 °	-121.793347 °
DWR ID	DWR_ST0009_02_s _ 2013_5				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Sutter Yard needs to monitor the erosion.					

Photo 1 of 1 : FA_2016_ST0009_287_5_20161107_00021.jpg



View of the erosion along the waterside berm.

LM Start	2.18	Rating **	C	Issue No.	9
LM End	2.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.025382 °	39.025382 °
				-121.780723 °	-121.780723 °
DWR ID	DWR_ST0009_02_s _ 2016_9				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	11/02/2016 11/02/2016	Tariq Chechi

LM Start	2.29	Rating **	C	Issue No.	10
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.025386°	39.025386°
				-121.778787°	-121.778787°
DWR ID	DWR_ST0009_02_s_2016_10				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Fallen tree on WS slope.					

No Photos

LM Start	2.66	Rating **	C	Issue No.	11
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.025303 °	39.025303 °
				-121.771867 °	-121.771867 °
DWR ID	DWR_ST0009_02_s_2016_11				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Fallen tree obscuring waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	11/02/2016 11/02/2016	Tariq Chechi

LM Start	3.43	Rating **	C	Issue No.	12
LM End	3.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.025193 °	39.025193 °
				-121.757457 °	-121.757457 °
DWR ID	DWR_ST0009_02_s _ 2016_12				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Fallen tree on WS slope.					

No Photos

LM Start	3.93	Rating **	M	Issue No.	2
LM End	3.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.025060 °	39.025060 °
				-121.748178 °	-121.748178 °
DWR ID	DWR_ST0009_02_f_2016_2				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0009_287_2_20161107_00020.jpg



View of the erosion along the waterside berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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